

Notice of Allowability

Application No.

10/762,932

Examiner

Albert Wang

Applicant(s)

DISSER, ROBERT J.

Art Unit

2115

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 25 September 2006.
2. ☒ The allowed claim(s) is/are 1-18,20,21 and 23.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

EXAMINER'S AMENDMENT

1. This Office action is responsive to the amendment filed 25 September 2006.
2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Douglas D. Fekete (Reg. No. 29,065) on December 1, 2006.

Claims 18, 19, 21 and 22 have been amended as follows:

18. (Currently amended) A method of operating a controller area network employing a plurality of communication controllers and a CAN bus, the method comprising:

applying a non-interfering communication biasing signal to the CAN bus; and

switching a first communication controller to an active state in response to the application of the non-interfering communication biasing signal to the CAN bus,

wherein the first communication controller switches to an active state to thereby participate in CAN communications among the plurality of communication controllers via said CAN bus;

receiving an electrical communication of a wake-up signal indicative of a requirement for the first communication controller to be switched to the active state; and

switching a second communication controller to the active state in response to the electrical communication of the wake-up signal whereby the second communication controller

Art Unit: 2115

generates the non-interfering communication biasing signal in response being switched to the active state.

19. (Cancelled)

21. (Currently amended) A controller area network, comprising:

means for applying a non-interfering communication biasing signal to a CAN bus; and

means for switching a first communication controller to an active state in response to the application of the non-interfering communication biasing signal to the CAN bus,

wherein the first communication controller switches to an active state to thereby participate in CAN communications among the plurality of communication controllers via said CAN bus;

means for receiving an electrical communication of a wake-up signal indicative of a requirement for the first communication controller to be switched to the active state; and

means for switching a second communication controller to the active state in response to the electrical communication of the wake-up signal whereby the second communication controller generates the non-interfering communication biasing signal in response being switched to the active state.

22. (Cancelled)

3. The following is an examiner's statement of reasons for allowance:

Glenn et al., U.S. Patent No. 5,726,541, teaches applying a non-interfering biasing signal to a CAN bus to switch a first communication controller to an active state in response to the application of the non-interfering communication signal to the CAN bus.

The prior art of record does not teach or suggest individually or in combination, further: receiving an electrical communication of a wake-up signal indicative of a requirement for the first communication controller to be switched to the active state; and switching a second communication controller to the active state in response to the electrical communication of the wake-up signal whereby the second communication controller generates the non-interfering communication biasing signal in response being switched to the active state.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Pursuant to MPEP 606.01, the title has been changed to read:

**-- CONTROLLER AREA NETWORK WAKE-UP SYSTEM AND METHOD
USING A NON-INTERFERING COMMUNICATION BIASING SIGNAL --**

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Albert Wang whose telephone number is 571-272-3669. The examiner can normally be reached on M-F (9:30 - 6:00).

Art Unit: 2115

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas C. Lee can be reached on 571-272-3667. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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PRIMARY EXAMINER